# Data sheet | Item number: 2624-1101

PCB terminal block; 4 mm²; Pin spacing 5 mm; 1-pole; Push-in CAGE CLAMP®

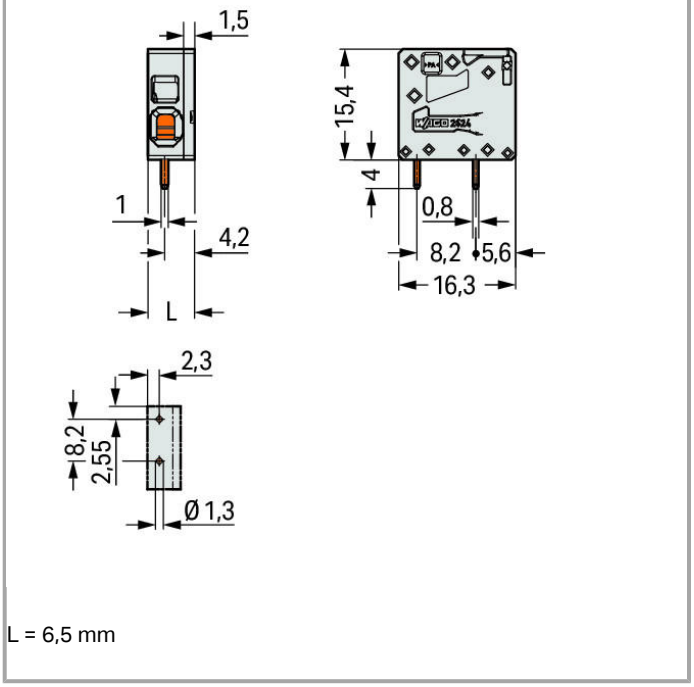
www.wago.com/2624-1101



RoHS ✓ Compliant

BOMcheck.net

Color:




L = 6,5 mm

## Item description

- PCB terminal blocks with Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Ideal for panel feedthrough applications via operation parallel to conductor entry
- Testing can be performed both parallel and perpendicular to conductor entry

**Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:** Direct marking, Other pole numbers



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## Data

## Electrical data

### Ratings per IEC/EN 60664-1

| | |
|---|---|
| Rated voltage (III / 3) | 320 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated voltage (III / 2) | 400 V |
| Rated impulse voltage (III / 2) | 4 kV |
| Rated voltage (II / 2) | 630 V |
| Rated impulse voltage (II / 2) | 4 kV |
| Rated current | 41 A |
| Legend (ratings) | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

### Approvals per UL 1059

| | |
|---|---|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 26 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

### Connection data

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool |
| Solid conductor | 0.2 … 6 mm² / 24 … 10 AWG |
| Fine-stranded conductor | 0.2 … 6 mm² / 24 … 10 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0.25 … 2.5 mm² |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 … 2.5 mm² |
| Fine-stranded conductor, with twin ferrule | 0.25 … 1.5 mm² |
| Strip length | 10 … 12 mm / 0.39 … 0.47 Inch |
| Conductor entry angle to the PCB | 0 ° |
| No. of poles | 1 |
| Number of levels | 1 |
| Total number of connection points | 1 |
| Total number of potentials | 1 |
| Number of connection types | 1 |

### Geometrical Data

| | |
|---|---|
| Pin spacing | 5 mm (0.197 inch) |
| Width | 6.5 mm / 0.256 inch |
| Height | 19.4 mm / 0.764 inch |



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| | |
|---|---|
| Height from the surface | 15.4 mm / 0.606 inch |
| Depth | 16.3 mm / 0.642 inch |
| Solder pin length | 4 mm |
| Solder pin dimensions | 0.8 x 1 mm |
| Drilled hole diameter (tolerance) | $1.3^{(+\ 0.1)}$ mm |

## Mechanical data

| | |
|---|---|
| Type of mounting | Feed-through mounting |

## PCB contact

| | |
|---|---|
| PCB contact | THT |
| Solder pin arrangement | within the terminal block, in line |
| Number of solder pins per potential | 2 |

## Material Data

| | |
|---|---|
| Color | gray |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Electrolytic copper (Ecu) |
| Contact plating | tin-plated |
| Fire load | 0.008 MJ |
| Weight | 1.89 g |

## Environmental Requirements

| | |
|---|---|
| Limit temperature range | -60 … +105 °C |

## Commercial data

| | |
|---|---|
| Country of origin | DE |
| GTIN | 4055143578295 |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval | Certificate name |
|---|---|---|
| | **CSA**<br>DEKRA Certification B.V. | 70117145 |



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### UL-Approvals

| Logo | Approval | Certificate name |
|---|---|---|
| | **cURus**<br>Underwriters Laboratories Inc. | E45172 sec. 71 |

## Compatible products

### tools

| | | |
|---|---|---|
|  | **Item no.: 210-720**<br>Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm | www.wago.com/210-720 |
|  | **Item no.: 210-721**<br>Operating tool with partially insulated shaft; Type 3, blade (5.5 x 0.8) mm | www.wago.com/210-721 |

### ferrule

| | | |
|---|---|---|
|  | **Item no.: 216-106**<br>Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated | www.wago.com/216-106 |
|  | **Item no.: 216-241**<br>Ferrule; Sleeve for 0.5 mm² / AWG 22; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-241 |
|  | **Item no.: 216-242**<br>Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-242 |
|  | **Item no.: 216-243**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-243 |
|  | **Item no.: 216-244**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-244 |
|  | **Item no.: 216-246**<br>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-246 |
|  | **Item no.: 216-262**<br>Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-262 |
|  | **Item no.: 216-263**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-263 |
|  | **Item no.: 216-264**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-264 |
|  | **Item no.: 216-266**<br>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | www.wago.com/216-266 |



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## Downloads

### CAD files

#### CAD data

| | | | |
|---|---|---|---|
| 3D Download 2624-1101 | | URL | Download |

#### PCB libraries

| | | | |
|---|---|---|---|
| DesignSpark Library for WAGO PCB Terminal Blocks<br>Compatible with DesignSpark PCB Version 4.x or higher | 2.1<br>Oct 6, 2014 | ZIP<br>22.5 MB | Download |
| TARGET Library for WAGO PCB Terminal Blocks<br>Compatible with TARGET PCB Design Software Version 17.x | 1.1.0<br>Oct 6, 2014 | ZIP<br>27.1 MB | Download |
| EAGLE Library for WAGO PCB Terminal Blocks<br>Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1<br>Nov 17, 2017 | ZIP<br>23.9 MB | Download |



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